PATENT COOPERATION TREATY

PCT

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference 50456-16			nt's file reference	FOR FURTHER	PR FURTHER ACTION See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)			
International application No. PCT/CA 03/01189				International filing dat 08.08.2003	e (day/mont	th/year)	Priority date (day/month/year) 16.08.2002	
	nation 7F9/5		nt Classification (IPC) or t	both national classificatio	n and IPC			
	icant TEC (CANA	DA INC. et al.					
1.	This Auth	intern ority a	ational preliminary exa and is transmitted to the	amination report has be e applicant according t	en prepar o Article 3	ed by this Int 6.	ernational Preliminary Examining	
2.	This REPORT consists of a total of 5 sheets, including this cover sheet.							
	This report is also accompanied by ANNEXES, i.e. sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).							
	These annexes consist of a total of sheets.							
з.	This report contains indications relating to the following items:							
	 }		Basis of the opinion Priority					
	Ш				novelty, in	ventive step	and industrial applicability	
	IV V		Lack of unity of invent		vith regard	l to noveltv. ir	nventive step or industrial applicability;	
	V	52.3I	citations and explanat	tions supporting such s	tatement	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
	VI		Certain documents cit					
	VII		Certain defects in the Certain observations of				and the second of the second	
	VIII	H	Certain observations	on the international ap				
Date	of sub	missior	of the demand		Date of c	completion of the	nis report	
02.03.2004					30.09.2004			
Name and malling address of the international preliminary examining authority:				nat	Authorized Officer			
European Patent Office D-80298 Munich D-80298 Munich				SS onmit d	Kyriaka	akou, G		
Tel. +49 89 2399 - 0 Tx: 523656 epmu d Fax: +49 89 2399 - 4465				oo apina u	Telephone No. +49 89 2399-7835			

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/CA 03/01189

l.	Basis	of the	report
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 With regard to the elements of the international application (Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17)):

	Des	scription, Pages						
	1-1	8	as originally filed					
	Cla	ims, Numbers						
	1-13	3	as originally filed					
2.	Witi lang	With regard to the language, all the elements marked above were available or furnished to this Authority in the anguage in which the international application was filed, unless otherwise indicated under this item.						
	The	These elements were available or furnished to this Authority in the following language: , which is:						
		the language of a tra	anslation furnished for the purposes of the international search (under Rule 23.1(b)).					
			lication of the international application (under Rule 48.3(b)).					
		• •	anslation furnished for the purposes of international preliminary examination (under					
3.	Witi inte	With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the nternational preliminary examination was carried out on the basis of the sequence listing:						
		contained in the international application in written form.						
		furnished subsequently to this Authority in computer readable form.						
		The statement that the subsequently furnished written sequence listing does not go beyond the disclosur in the international application as filed has been furnished.						
		The statement that the listing has been furn	he information recorded in computer readable form is identical to the written sequence ished.					
1.	The	amendments have re	esulted in the cancellation of:					
		the description,	pages:					
		the claims,	Nos.:					
		the drawings,	sheets:					
5.		This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed (Rule 70.2(c)).						
		(Any replacement sh report.)	neet containing such amendments must be referred to under item 1 and annexed to this					
3.	Addi	itional observations, i	f necessary:					

INTERNATIONAL PRELIMINARY **EXAMINATION REPORT**

International application No.

PCT/CA 03/01189

- V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- 1. Statement

Novelty (N)

Yes: Claims Claims

No:

No:

1-13

Inventive step (IS)

Yes: Claims

Claims

1-13

Industrial applicability (IA)

Yes: Claims

1-13

No: Claims

2. Citations and explanations

see separate sheet

EXAMINATION REPORT - SEPARATE SHEET

Re Item V

Reasoned statement under Rule 66.2(a)(ii) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Cited documents

(=D1)WO-A-0187900 (=D2)WO-A-0016902 (=D3)WO-A-9723490 EP-A-1182197 (=D4)

Patent Abstr.Japan vol.012, n0 .365 &JP 63119490 (=D5)

Chem.Reviews 99, p. 2071 (1999) (=D6)

The indicated designation is used throughout the examination procedure

2. Certain published documents (Rule 70.10)

Application No Patent No	Publication date (day/month/year)	Filing date (day/month/year)	Priority date (valid claim) (day/month/year)
WO-A-03051894	26.03.2003	13.02.2002	14.12.2001
WO-A-02079212	10.10.2002	28.02.2002	30.03.2001

3. Novelty(Art.33(2)PCT)

3.1The subject matter of the present claims 1-13 relates to quaternary phosphonium and imidazolium salts wherein the anion is a sulfate ester, a phosphonate diester or a phosphonate ester. The said salts are not specifically disclosed in the prior art D1-D3documents and can therefore be considered as a novel selection from the said documents.

3. Inventive step(Art.33(3) PCT)

- 3.1 The object of the present invention is to provide compounds usefull as polar solvents
- 3.2 The prior art documents D1-D4 which disclose structurally similar compounds having the same utility are considered to be especially relevant.
- 3.3 The Application does not contain any experimental data for the alleged utility of the claimed compounds. Taking the above into account it could be postulated that the previous defined problem has not be solved. The technical problem which is solved by the claimed compounds, on the basis of which the question of inventive step has to be decided, would be the mere provision of further or alternative chemical compounds as such, regardless of their likely useful properties. But a chemical compound is not patentable per se as long as it did not manifest itself in a valuable property in the widest sense, an effect or an unexpected property. Furthermore from the prior art D1-D4

documents it is known that structurally similar compounds can be used as polar solvents. It has also to be pointed out that the claimed compounds are considered as a selection from the D1-D3 documents. Thus, the subject-matter of claims 1-13 on file. does not involve an inventive step and does not satisfy the criterion set forth in Article 33(3) PCT.